

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/US2004/018423

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09J7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 672 402 A (KRECKEL KARL W ET AL) 30 September 1997 (1997-09-30) Comparative Example B	8, 9, 15, 17
X	WO 02/36702 A (WIPAK WALSRÖDE GMBH & CO KG ; BRANDT RAINER (DE); JACOBSEN SVEN (DE);) 10 May 2002 (2002-05-10) example 1	8-11, 17, 19
X	EP 1 201 145 A (YKK CORP) 2 May 2002 (2002-05-02) claim 1	8, 12, 17
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

3 November 2004

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schlicke, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 200273 Derwent Publications Ltd., London, GB; Class A23, AN 2002-679047 XP002303655 & JP 2002 249603 A (MITSUI CHEM INC) 6 September 2002 (2002-09-06) abstract	8,9
A	----- WO 92/11333 A (MINNESOTA MINING & MFG) 9 July 1992 (1992-07-09) cited in the application claims	1-22
A	----- PATENT ABSTRACTS OF JAPAN vol. 2003, no. 10, 8 October 2003 (2003-10-08) & JP 2003 160767 A (NITTO DENKO CORP), 6 June 2003 (2003-06-06) abstract	1-22
A	----- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 26, 1 July 2002 (2002-07-01) & JP 2001 247828 A (PILOT INK CO LTD), 14 September 2001 (2001-09-14) abstract -----	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/018423

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5672402	A	30-09-1997	US 5516581 A	14-05-1996
			US 2003134112 A1	17-07-2003
			US 6527900 B1	04-03-2003
			US 5989708 A	23-11-1999
			AU 654315 B2	03-11-1994
			AU 9157591 A	22-07-1992
			BR 9107249 A	22-02-1994
			CA 2096935 A1	21-06-1992
			DE 69124626 D1	20-03-1997
			DE 69124626 T2	10-07-1997
			EP 0563272 A1	06-10-1993
			ES 2097902 T3	16-04-1997
			HK 1007761 A1	23-04-1999
			JP 3063915 B2	12-07-2000
			JP 6504077 T	12-05-1994
			KR 185422 B1	01-04-1999
			MX 9102731 A1	31-01-1994
			WO 9211333 A1	09-07-1992
			ZA 9110081 A	27-01-1993
WO 0236702	A	10-05-2002	DE 10054277 A1	08-05-2002
			AU 2952802 A	15-05-2002
			CA 2427580 A1	01-05-2003
			WO 0236702 A1	10-05-2002
			EP 1334160 A1	13-08-2003
			US 2004067331 A1	08-04-2004
EP 1201145	A	02-05-2002	JP 2002125724 A	08-05-2002
			BR 0105693 A	17-09-2002
			CN 1350816 A	29-05-2002
			EP 1201145 A2	02-05-2002
			US 2002081427 A1	27-06-2002
JP 2002249603	A	06-09-2002	NONE	
WO 9211333	A	09-07-1992	AU 654315 B2	03-11-1994
			AU 9157591 A	22-07-1992
			BR 9107249 A	22-02-1994
			CA 2096935 A1	21-06-1992
			DE 69124626 D1	20-03-1997
			DE 69124626 T2	10-07-1997
			EP 0563272 A1	06-10-1993
			ES 2097902 T3	16-04-1997
			HK 1007761 A1	23-04-1999
			JP 3063915 B2	12-07-2000
			JP 6504077 T	12-05-1994
			KR 185422 B1	01-04-1999
			MX 9102731 A1	31-01-1994
			WO 9211333 A1	09-07-1992
			US 5516581 A	14-05-1996
			US 2003134112 A1	17-07-2003
			US 6527900 B1	04-03-2003
			US 5672402 A	30-09-1997
			US 5989708 A	23-11-1999
			ZA 9110081 A	27-01-1993
JP 2003160767	A	06-06-2003	NONE	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/018423

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2001247828 A	14-09-2001	NONE	